

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001118

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: **B82B 3/00, H01L 23/544**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI and keywords: registration, alignment, position, reference; silicon, substrate; SEM, microscope, STM; image, picture, view; nano, atomic; and other similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2003/019635 A1 (UNISEARCH LIMITED) 6 March 2003 See entire document	
A	WO 2002/019036 A1 (UNISEARCH LIMITED) 7 March 2002 See entire document	
A	Patent Abstracts of Japan JP 2000-150358 A (HITACHI LTD) 30 May 2000 See abstract	

☒ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
8 October 2004

Date of mailing of the international search report
21 OCT 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHENKEL, T et al., Single Ion Implantation for Solid State Quantum Computer Development [online], Proceedings of the 46th International Conference on Electron, Ion and Photon Beam Technology and Nanofabrication, Anaheim, May 2002, J. Vac. Sci. Technol. B, in press [retrieved on 2004-10-08]. Retrieved from the Internet: <URL: http://ebit.lbl.gov/publications/JoVSaTB-2002-schenkel.pdf></p>	
A, P	<p>WO 2003/081687 A2 (INTERNATIONAL BUSINESS MACHINES CORPORATION) 2 October 2003 See entire document</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001118

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	03019635				
WO	0219036	AU	81594/01	EP	1328847
		US	2004029050		
JP	2000150358				
WO	03081687	US	2003178617		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					